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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLN. OF: OHKUBO et al.
SERIAL NO.: 10/822,374
FILED: April 12, 2004
FOR: Reproduced Signal Equalizing Method for Optical Information...
GROUP: 2627 CONFIRMATION NO.: 2825
EXAMINER: Danielsen, Nathan Andrew
DOCKET: NEC WNZ-2665

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In connection with the above-entitled matter, Applicants hereby attach U.S. Patent Office form PTO-1449, including copies of the reference listed therein. Where available, English language an English language Abstract is being provided for the Examiner's convenience. This reference was cited in a Japanese Office Action dated May 23, 2007 issued in the Japanese counterpart utility patent application. Enclosed is a copy of the Japanese Office Action, together with an English translation of the relevant portions thereof. The claims in the present application are believed to be patentably distinguished over these references.

This Supplemental Information Disclosure statement is being made pursuant to the duty of disclosure imposed by law and formulated in 37 CFR 1.56(A). No representation is made

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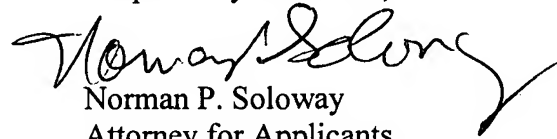
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that the information thus disclosed in fact constitutes prior art or that it is the closest prior art, inasmuch as 37 CFR 1.56(A) relies on a materiality concept which depends on subjectivity.

In compliance with the requirements of 37 C.F.R. § 1.98(a)(3), as a concise statement of relevance, as it is presently understood by the individual designated in 35 U.S.C. § 1.56(c) most knowledgeable about the content of the information, the undersigned attorney of record submits a translation of portions of an official action by a foreign Examiner in which the references were cited. The relevance to the pending U.S. patent application is that the references were cited in related foreign patent application on the same subject matter. However, no independent analysis of the references, the accuracy of the statement of foreign examiner or the claims of the foreign application under the laws of the country or the United States relative to the subject matter claimed in the present application has been made; the present understanding of the contents thereof by the undersigned being based on the translation of the foreign Examiner's comments submitted therewith.

The enclosed Supplemental Information Disclosure Statement is being submitted within three months of the Japanese Office Action, as certified in the attached Certification for Information Disclosure Statement. Therefore, we believe there are no fees involved with this Information Disclosure Statement. In the event there are additional fees payable, please charge them to our Deposit Account No. 08-1391.

Respectfully submitted,


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CERTIFICATE OF MAILING

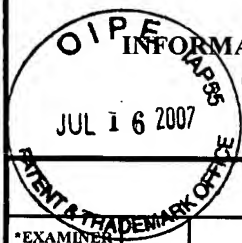
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INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

NEC WNZ-2665

Application Number

10/822,374

Applicant(s)

OHKUBO et al.

Filing Date

April 12, 2004

Group Art Unit

2627

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		JP 2003-085764	2003.3.20	JAPAN (w/Abstract)	G11B	7/005		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**STATEMENT UNDER 37 CFR 1.97(e) ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**

Docket No.
NEC WNZ-2665

In Re Application Of: **OHKUBO et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/822,374	April 12, 2004	Danielsen, Nathan A.	27667	2627	2825

Invention: **REPRODUCED SIGNAL EQUALIZING METHOD FOR OPTICAL INFORMATION MEDIA AND
OPTICAL INFORMATION REPRODUCING/RECORDING APPARATUS**

COMMISSIONER FOR PATENTS:

This is a statement under the provisions of 37 CFR 1.97(e) in the above-identified application.

Check applicable statement herebelow:

Statement Under 37 CFR 1.97(e)(1)

- ☒ Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

Statement Under 37 CFR 1.97(e)(2)

- ☐ No item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.



Signature

Dated: **JULY//, 2007**

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July//, 2007

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Signature of Person Mailing Correspondence

Shauna Bronson

Typed or Printed Name of Person Mailing Correspondence

CC:

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As described in the former Claim 3 (revised Claim 1), paragraph number [0011] of the publication of Japanese Laid-Open Patent No. 2003-085764 describes that binary coded data relative to a reproduced signal is produced in reference to the threshold value, the PR provisional value device receives binary coded data and [provides] a provisional value of the target value of the PR formula, and inputs to the coefficient adaptive controller, the coefficient adaptive controller refreshes the equalizing coefficient (tap) of the FIR equalizer using an adaptive algorithm for determining a waveform with the target being a waveform after equalization of a reproduced signal from binary coded data that is demodulated by a Viterbi decoder and a partial response wavelength by input of the aforementioned reproduced signal, which is sampled at predetermined periods, to a Viterbi decoder; further, the use of a Viterbi decoder for binary coding of a reproducing code is conventional technology.

An equalizer that uses a least square which is applied to an optical disk device described in Cited Document 2 that is proposed in the previous rejection reason notification with the target wavelength of such using a PR provisional value as described in the Publication of Japanese Laid-Open Patent No. 2003-085764 can be obtained through easy realization by one skilled in the art.

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